

ABSTRACT OF THE DISCLOSURE

A projection type image display apparatus that suppresses power input to a layered type electroluminescence element, maintains high luminance efficiency and allows image projection at high brightness. The projection type image display apparatus includes an electroluminescence element provided with three layered luminescent layers that emit three primary colors respectively. Each luminescent layer includes emission pixels which are arranged in a two-dimensional matrix and emits an image modulation pattern light including an intensity distribution of respective colors according to an input signal based on image information. The projection optical system has axial chromatic aberration in such a way that the positions of the plane of each luminescent layer and the plane of an object have an optically conjugate relationship with respect to an emission intensity median point wavelength of the waveband of each color.